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**Section I:**  
**AMENDMENT UNDER 37 CFR §1.121 to the**  
**CLAIMS**

Claim 1 (currently amended):

A method for allowing a user to search program object interface repositories, said ~~interface repositories~~ Interface Repository (IR) comprising an on-line database accessible through a ~~search and query protocol~~ Object Request Broker protocol (ORB) protocol, said interface repositories being stored on one or more server computers and containing metadata or definitions of said available program component interfaces, ~~said available program objects' interface descriptions containing object specifications~~; the method comprising the steps of:

providing a plurality of search criteria fields and a search icon on a graphical user display of a networked client computer;

receiving one or more criterion input from a user via said search criteria fields followed by selection of the search icon;

performing at least one search of at least one ~~interface repository~~ IR using said ~~search and query~~ ORB protocol for interfaces to available program objects for which a match exists between the program objects' specifications and the criterion input; and

displaying a list of available interfaces to program objects which match said criterion input on said graphical user display.

Claim 2 (original):

The method as set forth in Claim 1 wherein said step of receiving one or more criterion input from a user includes receiving a program object name.

Claim 3 (original):

The method as set forth in Claim 1 wherein said step of receiving one or more criterion input from a user includes receiving program object repository identifier.

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## Claim 4 (original):

The method as set forth in Claim 1 wherein said step of receiving one or more criterion input from a user includes receiving program object server identifier.

## Claim 5 (original):

The method as set forth in Claim 1 wherein said step of receiving one or more criterion input from a user includes receiving program object container identifier.

## Claim 6 (currently amended):

The method as set forth in Claim 1 wherein said step of performing at least one search of at least one interface repository includes performing a Common Object Request Broker Architecture (CORBA) Interface Repository query.

## Claim 7 (currently amended):

The method as set forth in Claim 1 wherein said step of displaying a list of available interfaces to program objects includes sorting the list by program object name.

## Claim 8 (currently amended):

The method as set forth in Claim 1 wherein said step of displaying a list of available interfaces to program objects includes sorting the list by program object server identifier.

## Claim 9 (currently amended):

The method as set forth in Claim 1 wherein said step of displaying a list of interfaces to available program objects includes sorting the list by program object container identifier.

## Claim 10 (currently amended):

The method as set forth in Claim 1 wherein said step of displaying a list of interfaces to available program objects includes sorting the list by program object modification date.

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## Claim 11 (original):

The method as set forth in Claim 1 further comprising the step of storing said criterion input and said list of available program objects for later recall or review.

## Claim 12 (original):

The method as set forth in Claim 11 wherein said step of storing said criterion input and list further comprises storing a user-supplied remark associated with the criterion input and list.

## Claim 13 (original):

The method as set forth in Claim 11 further comprising the step of providing a history list viewable by a user, said history list comprising a summary of previously stored criterion input and lists.

## Claim 14 (currently amended):

A1  
A computer-readable medium containing program code suitable execution by an object-oriented software development workstation, said program code allowing a user to search program object ~~interface repositories~~ Interface Repositories (IR), said interface repositories comprising an on-line database accessible through a ~~search and query~~ Object Request Broker (ORB) protocol, said interface repositories being stored on one or more server computers, said available program objects' interface descriptions containing metadata or definitions of said available program component interfaces ~~program object specifications~~, said workstation having a processor suitable for executing program code, the program code causing the workstation to perform the steps of:

providing a plurality of search criteria fields and a search icon on a graphical user display of said workstation;

receiving one or more criterion input from a user via said search criteria fields followed by selection of the search icon;

performing at least one search of at least one ~~interface repository~~ IR using said ~~search and query~~ ORB protocol for interfaces to available program objects for which

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matches exists between the program objects' specifications and the criterion input; and displaying a list of interfaces to available program objects which match said criterion input on said graphical user display.

Claim 15 (original):

The computer-readable medium as set forth in Claim 14 wherein said program code for receiving one or more criterion input from a user includes program code for receiving a program object name.

Claim 16 (original):

The computer-readable medium as set forth in Claim 14 wherein said program code for receiving one or more criterion input from a user includes program code for receiving program object repository identifier.

Claim 17 (original):

The computer-readable medium as set forth in Claim 14 wherein said program code for receiving one or more criterion input from a user includes program code for receiving program object server identifier.

Claim 18 (original):

The computer-readable medium as set forth in Claim 14 wherein said program code for receiving one or more criterion input from a user includes program code for receiving program object container identifier.

Claim 19 (currently amended):

The computer-readable medium as set forth in Claim 14 wherein said program code for performing at least one search of at least one interface repository includes program code for performing a Common Object Request Broker Architecture (CORBA) ~~CORBA~~ Interface Repository query.

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## Claim 20 (currently amended):

The computer-readable medium as set forth in Claim 14 wherein said program code for displaying a list of interfaces to available program objects includes program code for sorting the list by program object name.

## Claim 21 (currently amended):

The computer-readable medium as set forth in Claim 14 wherein said program code for displaying a list of interfaces to available program objects includes program code for sorting the list by program object server identifier.

## Claim 22 (currently amended):

The computer-readable medium as set forth in Claim 14 wherein said program code for displaying a list of interfaces to available program objects includes program code for sorting the list by program object container identifier.

## Claim 23 (currently amended):

The computer-readable medium as set forth in Claim 14 wherein said program code for displaying a list of interfaces to available program objects includes program code for sorting the list by program object modification date.

## Claim 24 (currently amended):

The computer-readable medium as set forth in Claim 14 further ~~comprises~~ comprising program code for storing said criterion input and said list of interfaces to available program objects for later recall or review.

## Claim 25 (original):

The computer-readable medium as set forth in Claim 24 wherein said program code for storing said criterion input and list further comprises program code for storing a user-supplied remark associated with the criterion input and list.

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## Claim 26 (original):

The computer-readable medium as set forth in Claim 24 further comprising program code for providing a history list viewable by a user, said history list comprising a summary of previously stored criterion input and lists.

## Claim 27 (currently amended):

Al  
An interface repository search facility in an object-oriented software development workstation for allowing a user to search program object Interface Repositories (IR) ~~interface repositories~~, said interface repositories comprising at least one on-line database accessible through a ~~search and query~~ Object Request Broker protocol, said interface repositories being stored on one or more server computers, said available program objects' interface descriptions containing metadata or definitions of said available program component interfaces ~~program object specifications~~, said interface repository search facility comprising:

a graphical user interface having a plurality of search criteria fields and a search icon displayed thereon;

one or more user input devices for inputting one or more search criterion into said search criteria fields, and for selection by a user of the search icon;

an ~~interface repository~~ IR searcher for searching one or more ORB interface repositories using said ~~search and query~~ ORB protocol for interfaces to available program objects for which matches exists between the program object specifications and the input search criterion; and

a result list of interfaces to available program objects which match said search criterion, said result list displayed on said graphical user interface.

## Claim 28 (original):

The interface repository search facility as set forth in Claim 27 wherein said search criteria fields includes a field for specifying a program object name.

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## Claim 29 (original):

The interface repository search facility as set forth in Claim 27 wherein said search criteria fields includes a field for specifying a program object repository identifier.

## Claim 30 (original):

The interface repository search facility as set forth in Claim 27 wherein said search criteria fields includes a field for specifying a program object server identifier.

## Claim 31 (original):

The interface repository search facility as set forth in Claim 27 wherein said search criteria fields includes a field for specifying a program object container identifier.

## Claim 32 (currently amended):

The interface repository search facility as set forth in Claim 27 wherein said interface repository searcher is adapted to perform ~~CORBA~~ Common Object Request Broker Architecture (CORBA) Interface Repository queries and searches.

## Claim 33 (original):

The interface repository search facility as set forth in Claim 27 further comprising a result list sorter for sorting the result list by program object name.

## Claim 34 (original):

The interface repository search facility as set forth in Claim 27 further comprising a result list sorter for sorting the result list by program object server identifier.

## Claim 35 (original):

The interface repository search facility as set forth in Claim 27 further comprising a result list sorter for sorting the result list by program object container identifier.

## Claim 36 (original):

The interface repository search facility as set forth in Claim 27 further comprising a result list sorter for sorting the result list by program object modification date.

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## Claim 37 (original):

The interface repository search facility as set forth in Claim 27 further comprising a search storing facility for storing said criterion input and said list of available program objects for later recall or review.

## Claim 38 (original):

The interface repository search facility as set forth in Claim 37 wherein said search storing facility further comprises a remark editor for storing a user-supplied remark associated with the criterion input and list.

## Claim 39 (original):

The interface repository search facility as set forth in Claim 37 further comprising a history list manager for creating and producing a search history list viewable by a user, said history list comprising a summary of previously stored criterion input and lists.